Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
Data File : VN053261.D
Acq On : 3 Jan 2019 14:43
Operator : MD\SY
Sample : PB116111ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 28

**Instrument :** MSVOA_N
**ClientSampleId :** PB116111ZHE#06

Quant Time: Jan 04 00:54:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Pentafluorobenzene | 7.67 | 168 | 1208122 | 50.00 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 8.59 | 114 | 1902502 | 50.00 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.41 | 117 | 1698117 | 50.00 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152 | 610679 | 50.00 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.03 | 65 | 604774 | 49.33 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 98.66% | | | |
| 35) Dibromofluoromethane | 7.59 | 113 | 518921 | 59.71 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 119.42% | | | |
| 50) Toluene-d8 | 10.09 | 98 | 2331867 | 49.98 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 99.96% | | | |
| 62) 4-Bromofluorobenzene | 12.40 | 95 | 738066 | 45.06 | ug/l | 0.00 |
| Spiked Amount 50.000 | | | Recovery = 90.12% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 16) Acetone | 3.82 | 43 | 28396 | 11.813 | ug/l | 91 |
| 18) Methyl Acetate | 4.33 | 43 | 8544 | 1.760 | ug/l | 94 |
| 20) Methylene Chloride | 4.56 | 84 | 52449 | 4.000 | ug/l | 99 |
| 25) 2-Butanone | 6.83 | 43 | 1199 | 0.297 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.22 | 42 | 1464 | 0.486 | ug/l # | 41 |
| 31) Cyclohexane | 7.67 | 56 | 19620 | Below Cal | # | 1 |
| 36) 1,1-Dichloropropene | 7.67 | 75 | 80804 | 4.425 | ug/l # | 48 |
| 38) Carbon Tetrachloride | 7.67 | 117 | 105021 | 6.275 | ug/l # | 16 |
| 43) Isopropyl Acetate | 8.17 | 43 | 54626 | 1.761 | ug/l # | 83 |
| 45) 1,2-Dichloropropane | 9.27 | 63 | 3091 | 0.218 | ug/l # | 44 |
| 48) Methyl methacrylate | 9.18 | 41 | 14595 | 1.475 | ug/l # | 12 |
| 49) 1,4-Dioxane | 9.27 | 88 | 327 | 2.613 | ug/l # | 1 |
| 51) 4-Methyl-2-Pentanone | 10.02 | 43 | 19480 | 1.973 | ug/l # | 35 |
| 54) cis-1,3-Dichloropropene | 9.90 | 75 | 128997 | 6.100 | ug/l # | 60 |
| 57) 1,3-Dichloropropane | 10.76 | 76 | 24698 | 1.226 | ug/l # | 42 |
| 59) 2-Hexanone | 10.76 | 43 | 330008 | 49.408 | ug/l # | 50 |
| 71) Bromoform | 12.40 | 173 | 4823 | 0.510 | ug/l # | 1 |
| 74) N-amyl acetate | 11.88 | 43 | 39154 | 2.952 | ug/l # | 52 |
| 76) 1,2,3-Trichloropropane | 12.40 | 75 | 344538 | 33.515 | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-buten | 12.40 | 75 | 344538 | 108.022 | ug/l # | 12 |
| 95) Naphthalene | 15.14 | 128 | 171 | 1.154 | ug/l # | 69 |

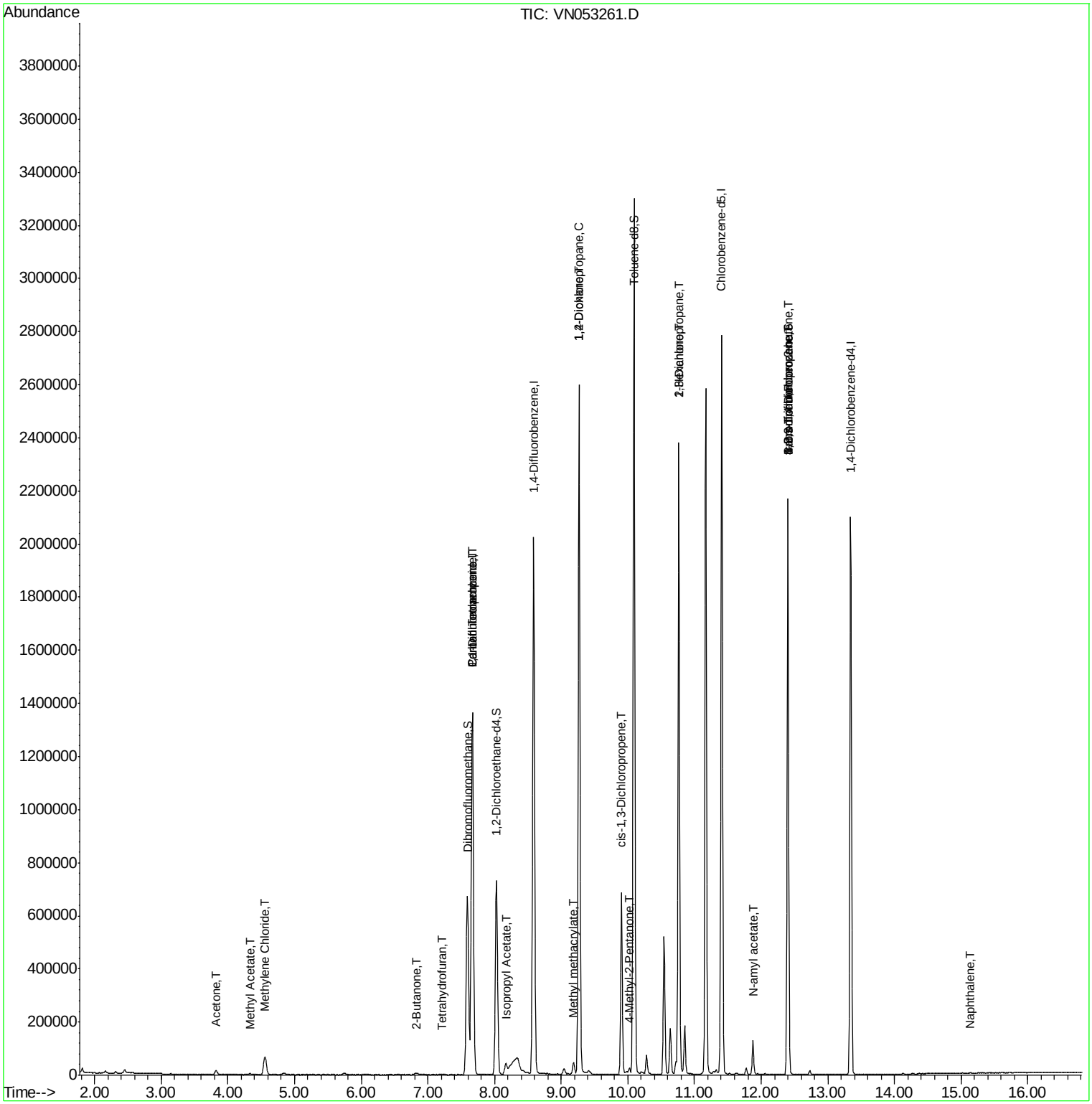
(#) = qualifier out of range (m) = manual integration (+) = signals summed

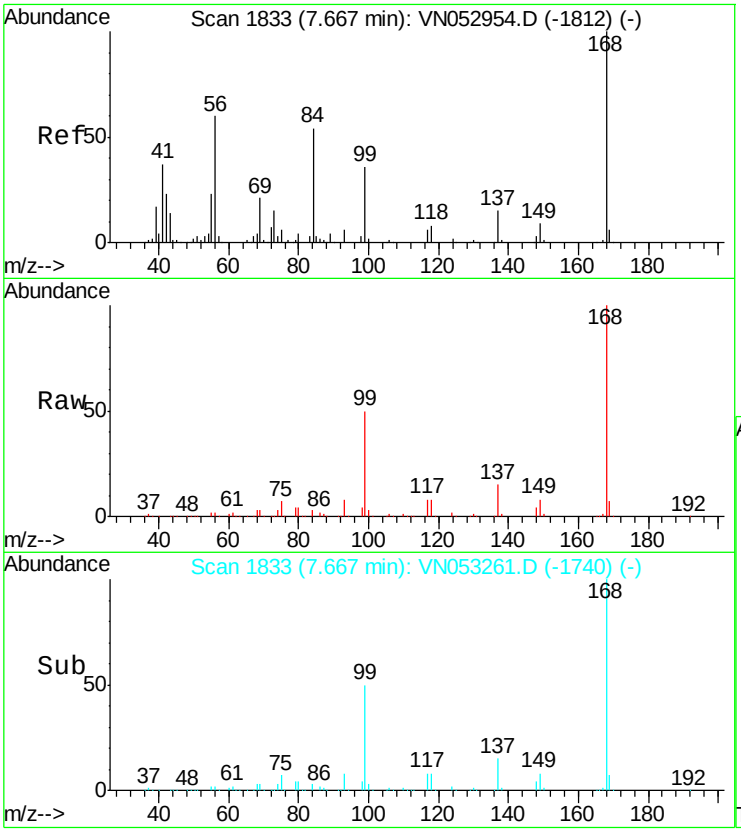
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
Data File : VN053261.D
Acq On : 3 Jan 2019 14:43
Operator : MD\SY
Sample : PB116111ZHE#06
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 28

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Quant Time: Jan 04 00:54:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration



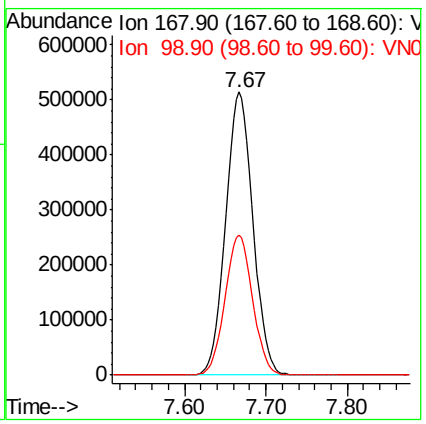


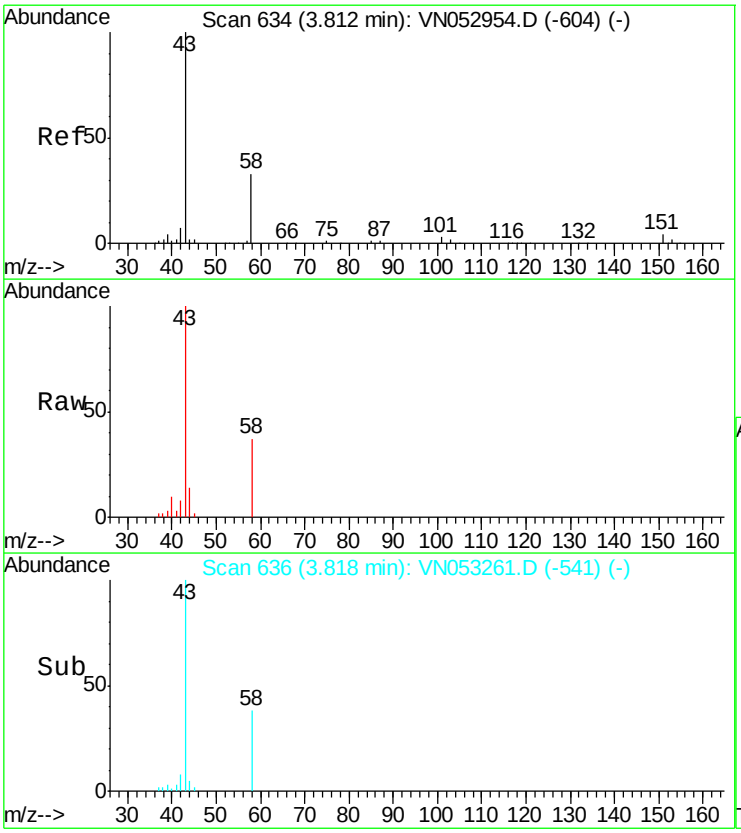

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion:168 Resp: 1208122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 49.6 | 40.2 | 60.2 |

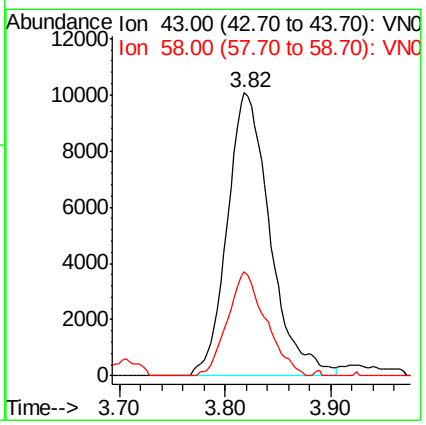


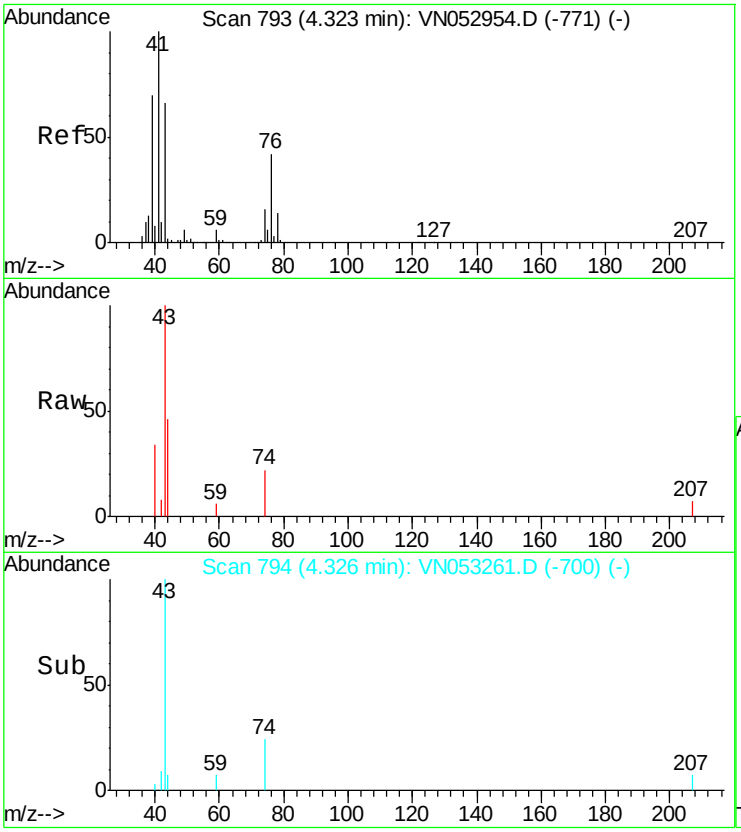




#16
Acetone
Concen: 11.813 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 43 Resp: 28396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 36.9 | 25.4 | 38.0 |



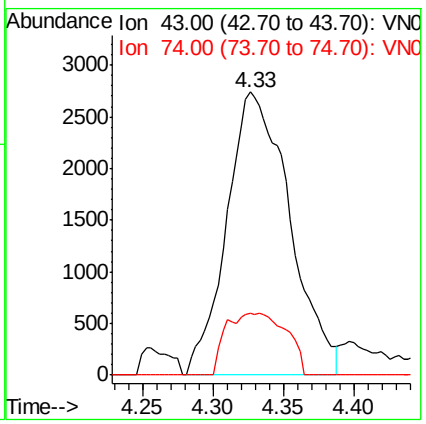


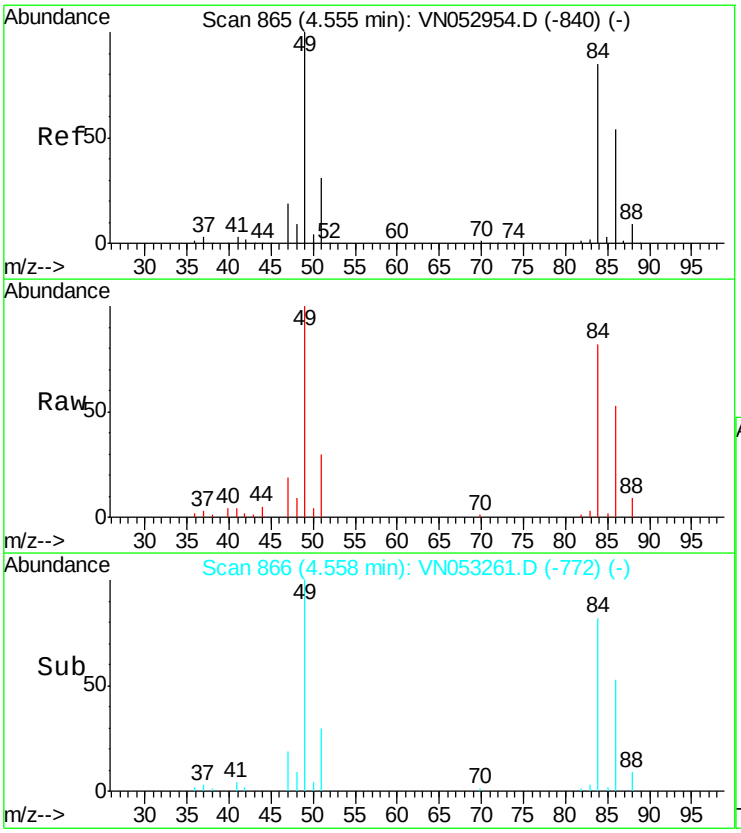

#18
Methyl Acetate
Concen: 1.760 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 43 Resp: 8544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 74 | 20.9 | 19.2 | 28.8 |

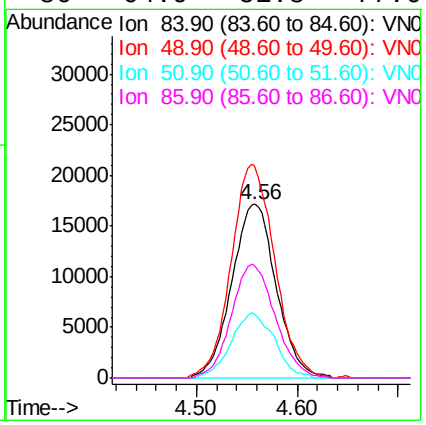


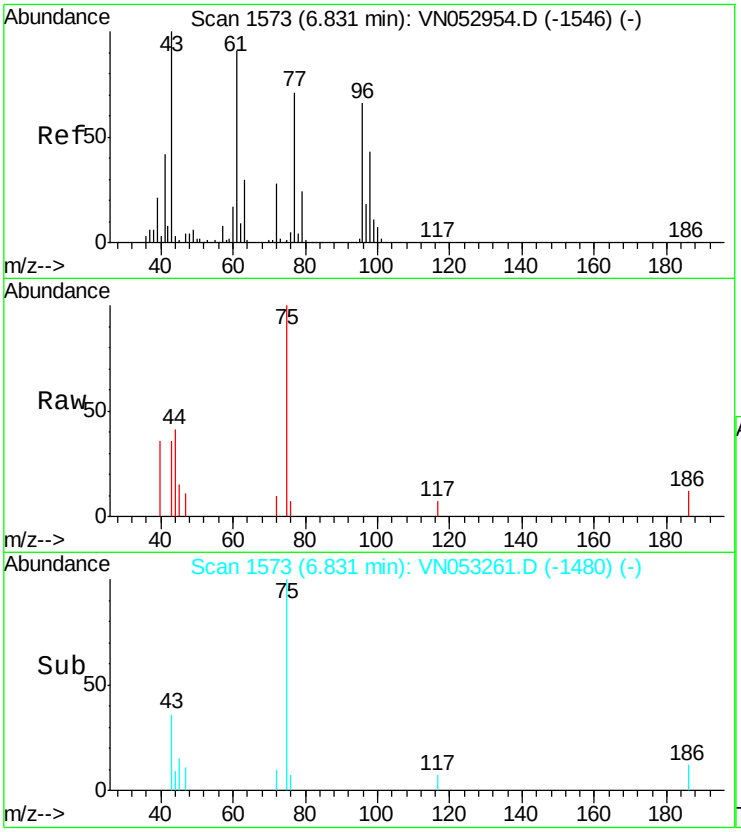




#20
Methylene Chloride
Concen: 4.000 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 84 Resp: 52449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 84 | 100 | | |
| 49 | 122.2 | 96.8 | 145.2 |
| 51 | 37.1 | 29.9 | 44.9 |
| 86 | 64.9 | 51.8 | 77.6 |



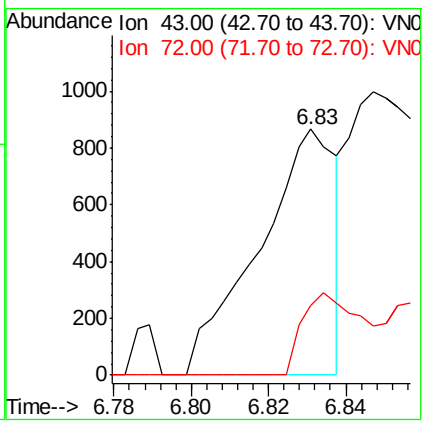


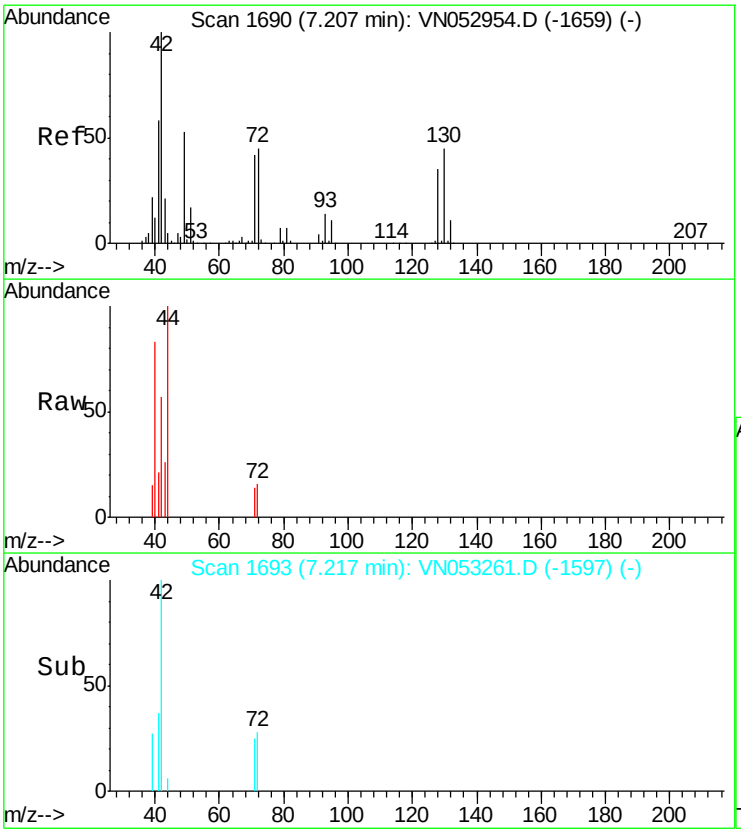

#25
2-Butanone
Concen: 0.297 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 43 Resp: 1199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 28.3 | 21.0 | 31.6 |

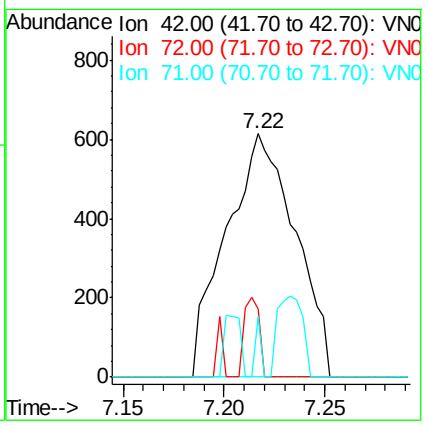


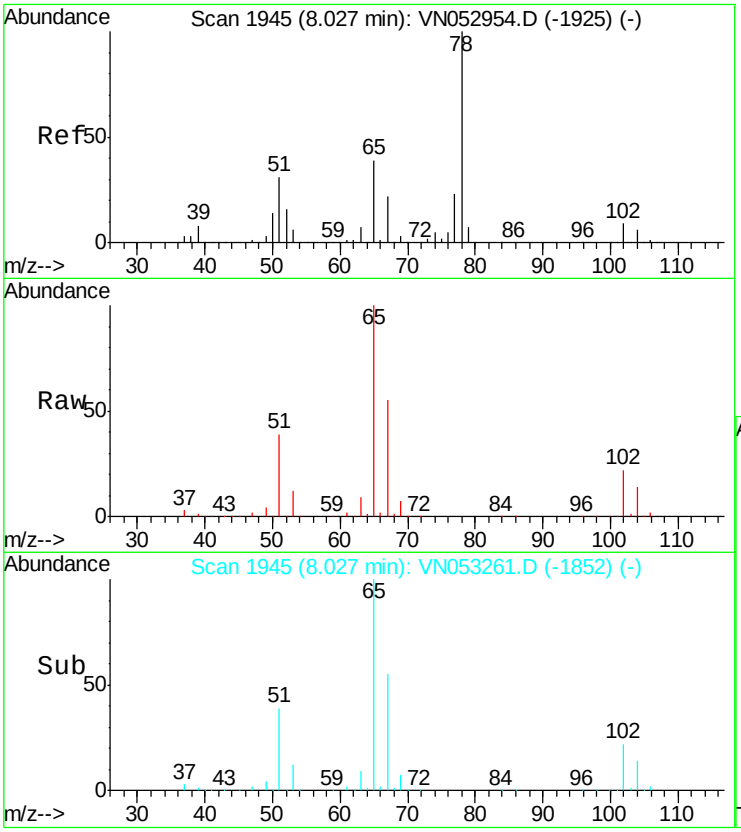




#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 42 Resp: 1464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 72 | 7.2 | 34.7 | 52.1# |
| 71 | 2.0 | 32.3 | 48.5# |



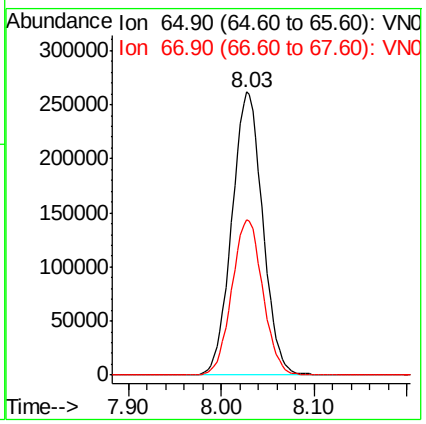


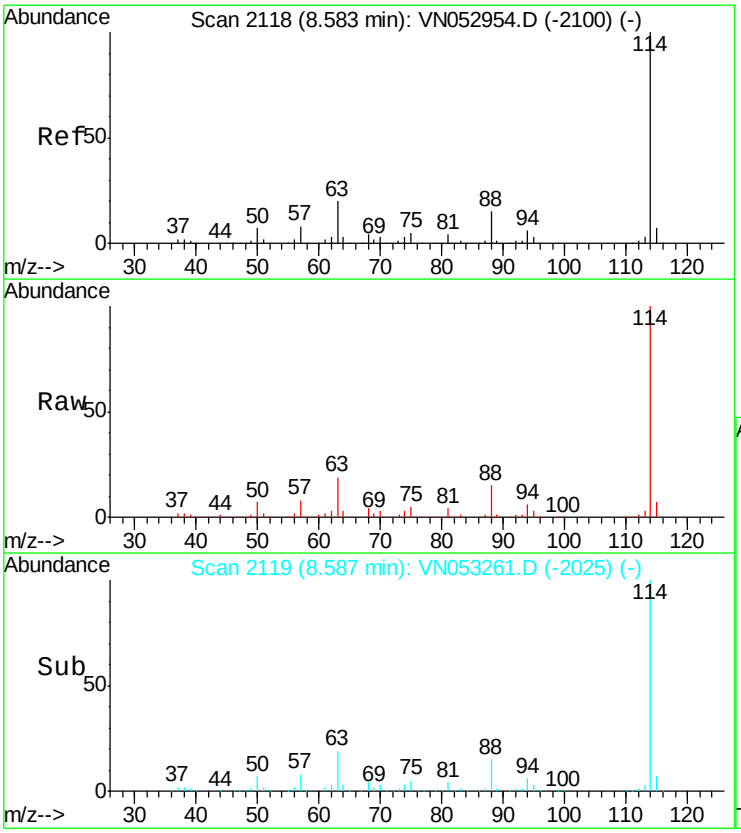

#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 65 Resp: 604774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 54.9 | 0.0 | 110.4 |

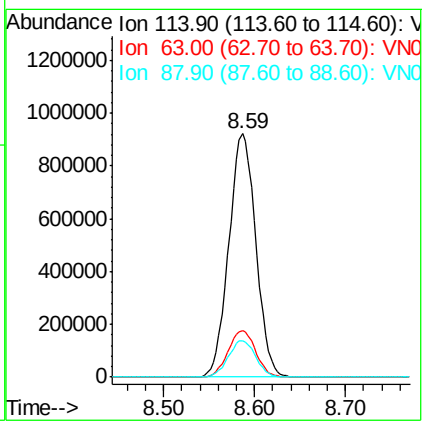


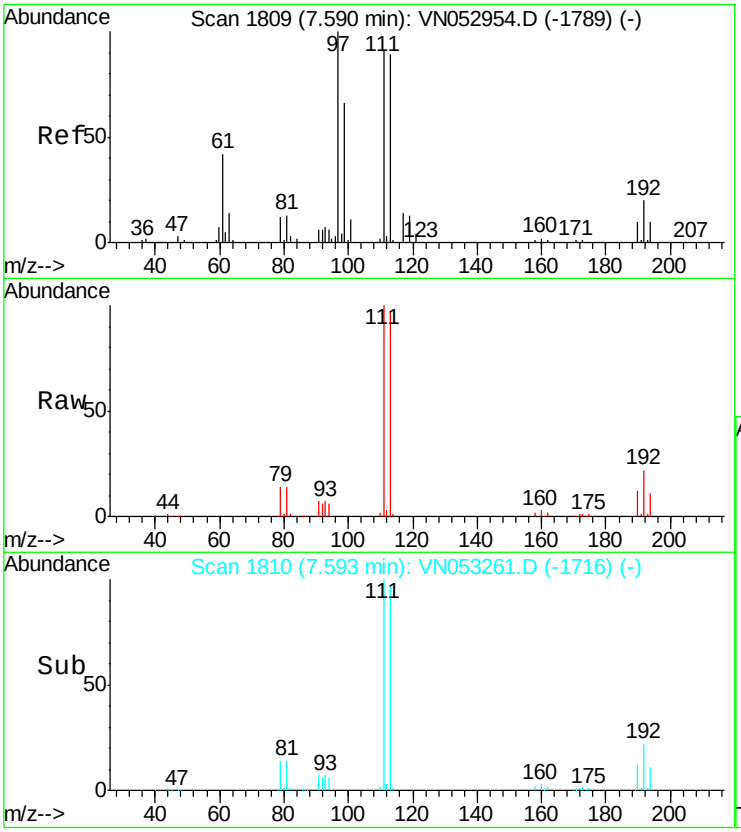




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion:114 Resp: 1902502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.1 | 0.0 | 39.8 |
| 88 | 15.1 | 0.0 | 31.0 |



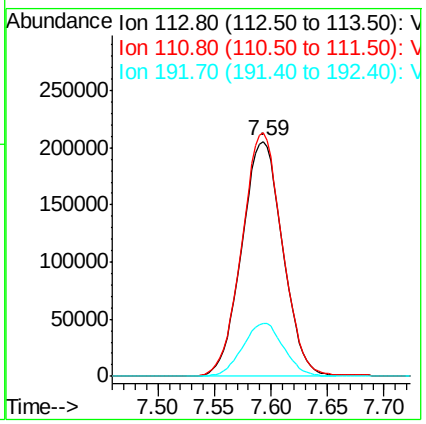


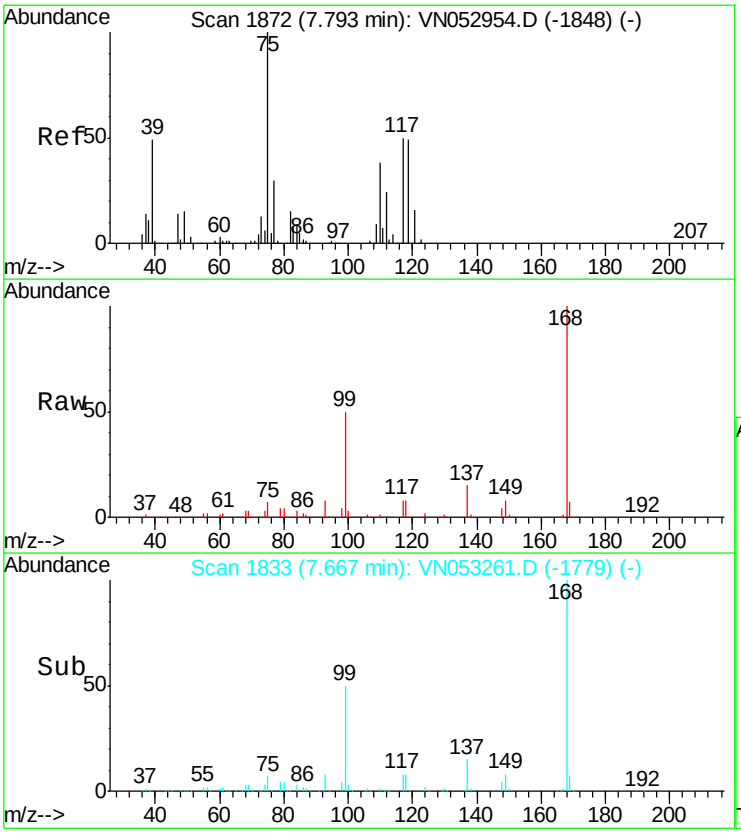

#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion:113 Resp: 518921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.0 | 83.0 | 124.4 |
| 192 | 22.6 | 17.5 | 26.3 |

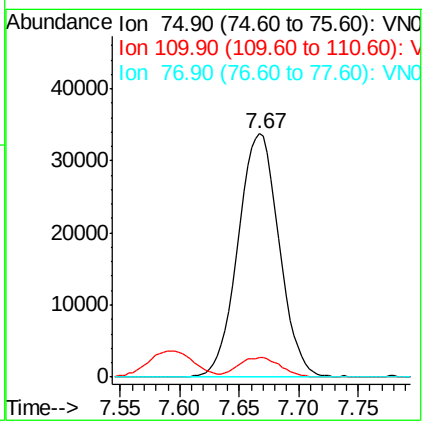


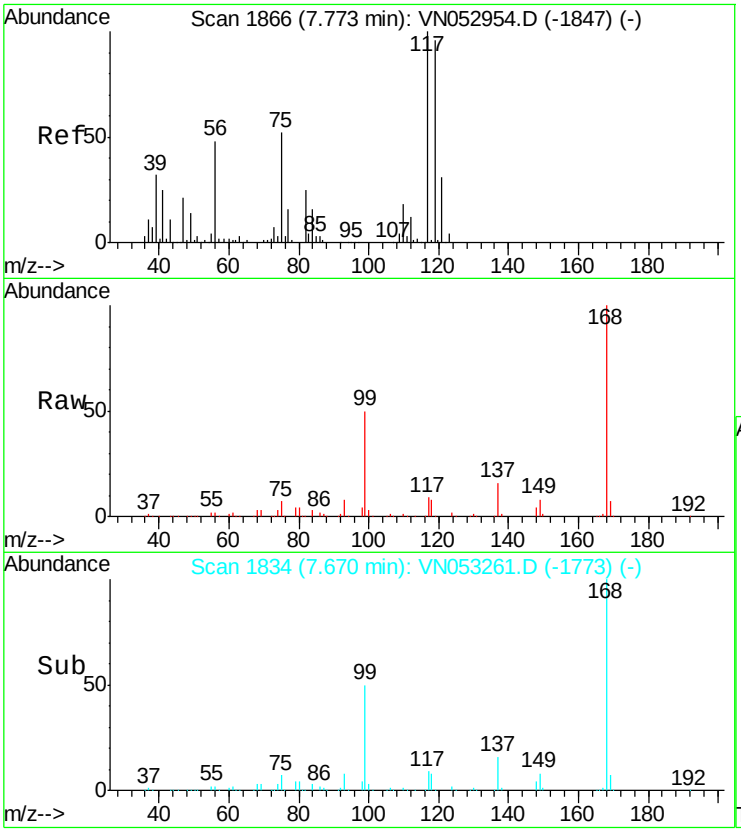




#36
1,1-Dichloropropene
Concen: 4.425 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 75 Resp: 80804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 110 | 8.3 | 18.2 | 54.6# |
| 77 | 0.0 | 24.9 | 37.3# |



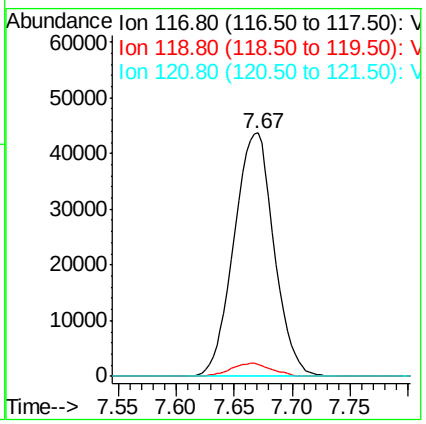


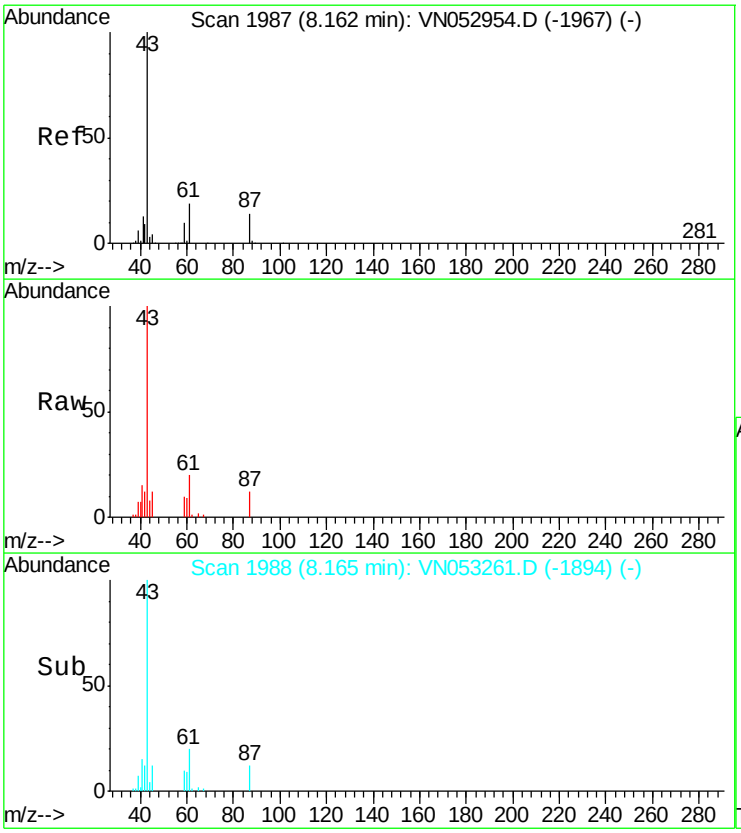

#38
Carbon Tetrachloride
Concen: 6.275 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. -0.10 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion:117 Resp: 105021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 5.1 | 77.1 | 115.7# |
| 121 | 0.0 | 24.9 | 37.3# |

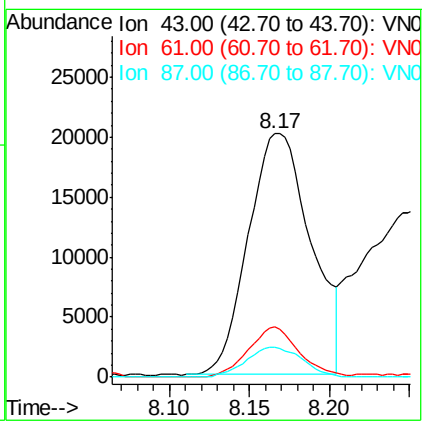


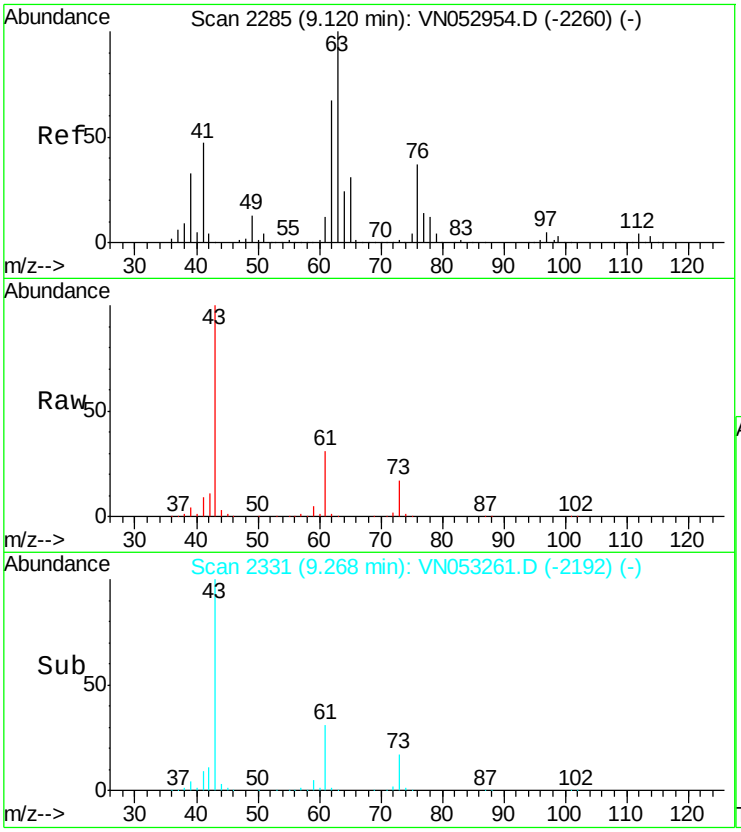




#43
Isopropyl Acetate
Concen: 1.761 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 43 Resp: 54626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 61 | 16.7 | 22.9 | 34.3# |
| 87 | 10.9 | 10.6 | 15.8 |



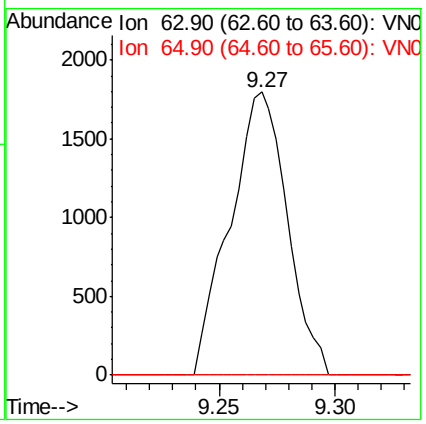


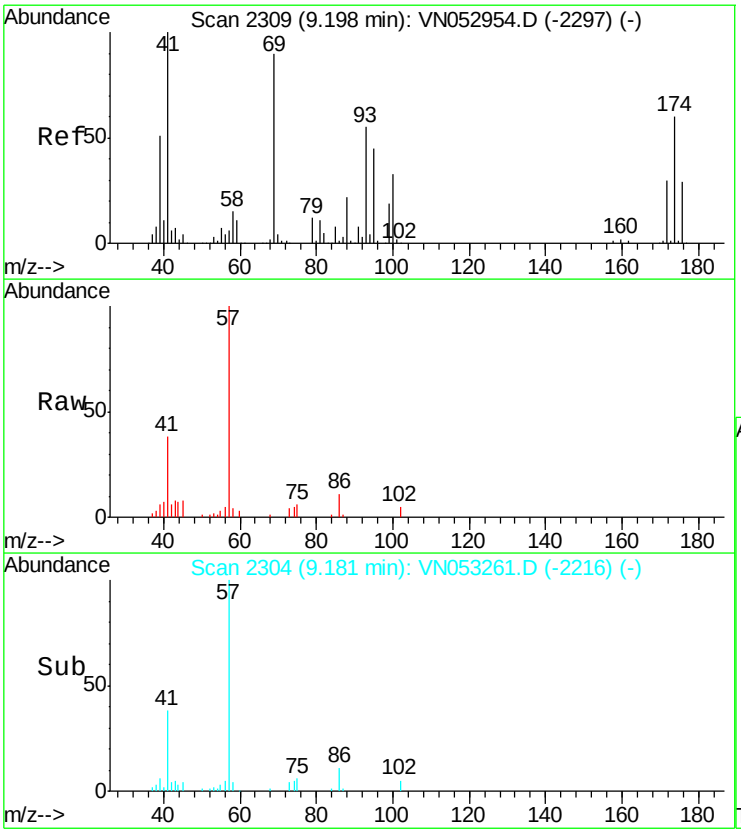

#45
1,2-Dichloropropane
Concen: 0.218 ug/l
RT: 9.27 min Scan# 2331
Delta R.T. 0.15 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :** MSVOA_N
**ClientSampleId :** PB116111ZHE#06

Tgt Ion: 63 Resp: 3091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 63 | 100 | | |
| 65 | 0.0 | 24.6 | 37.0# |

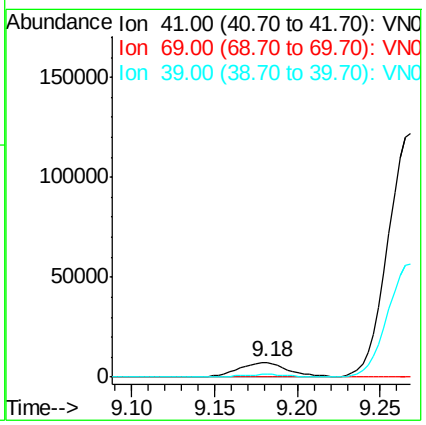


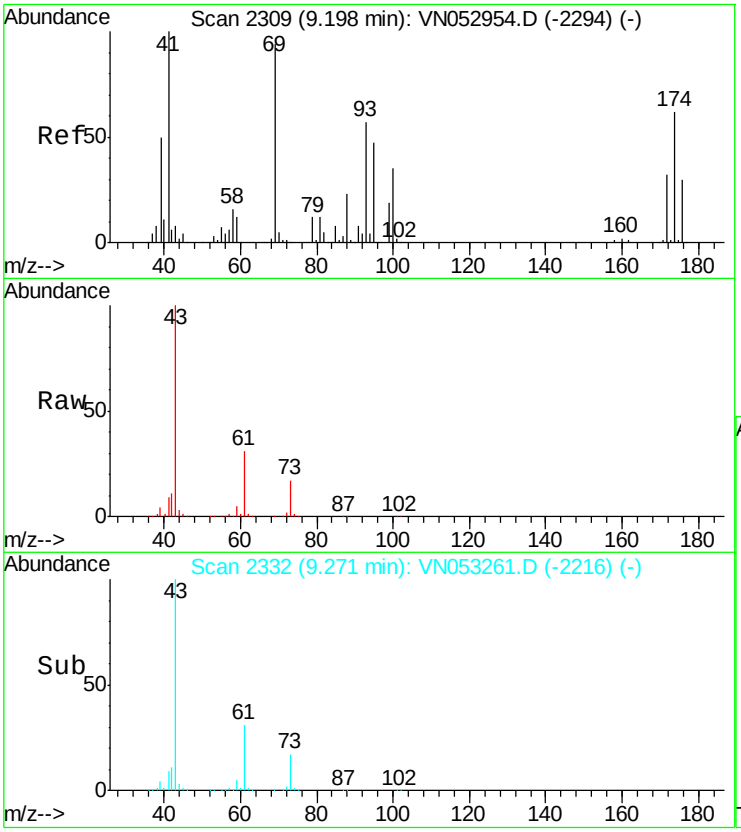




#48
Methyl methacrylate
Concen: 1.475 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 41 Resp: 14595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 41 | 100 | | |
| 69 | 0.0 | 72.2 | 108.2# |
| 39 | 0.0 | 41.9 | 62.9# |



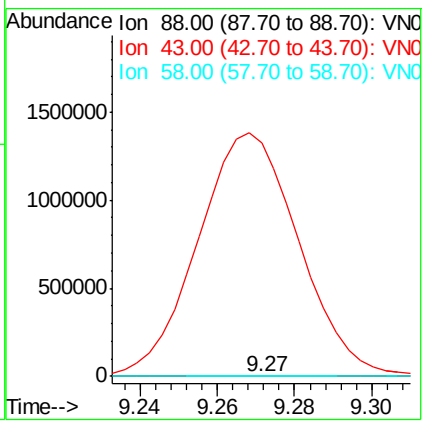


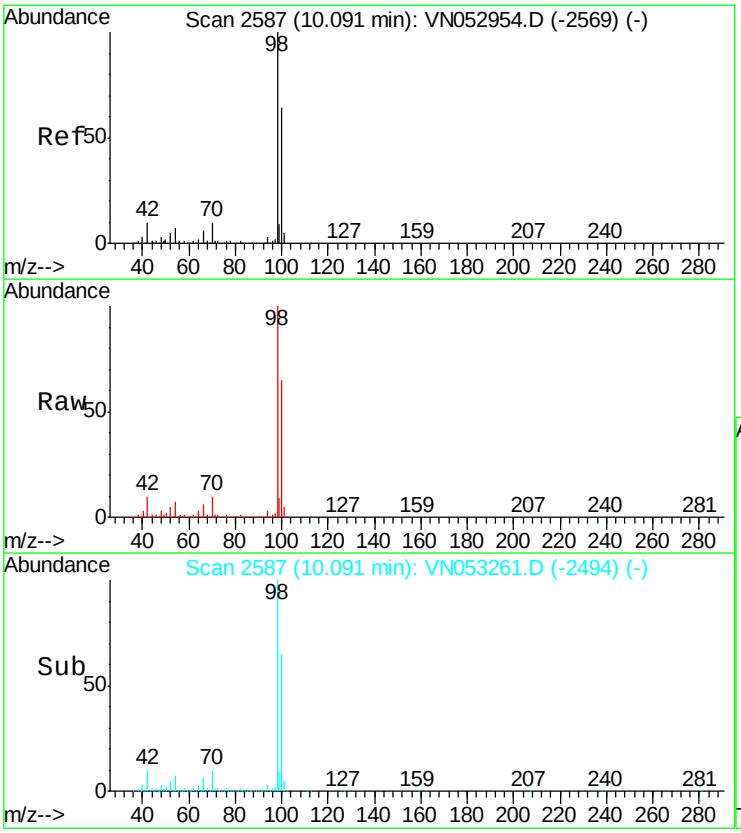

#49
1,4-Dioxane
Concen: 2.613 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 88 Resp: 327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 772084.1 | 26.6 | 40.0# |
| 58 | 3386.5 | 58.4 | 87.6# |

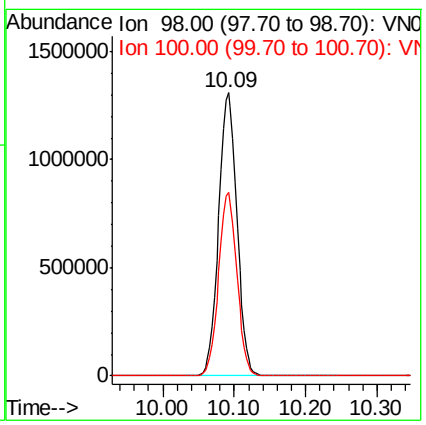


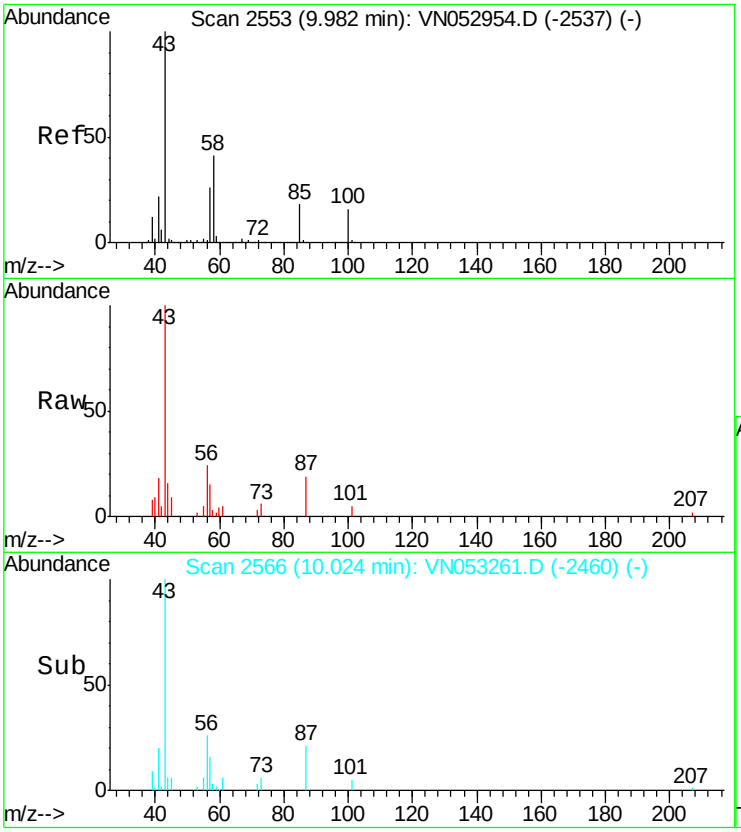




#50
Toluene-d8
Concen: 2.613 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 98 Resp: 2331867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 51.6 | 77.4 |



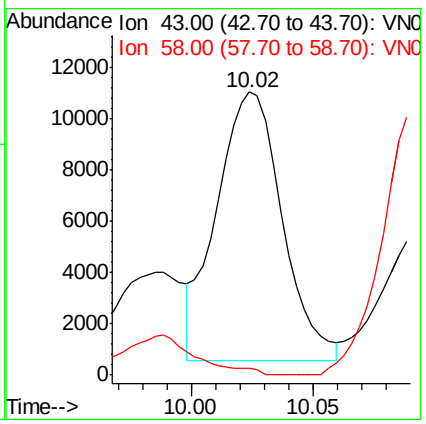


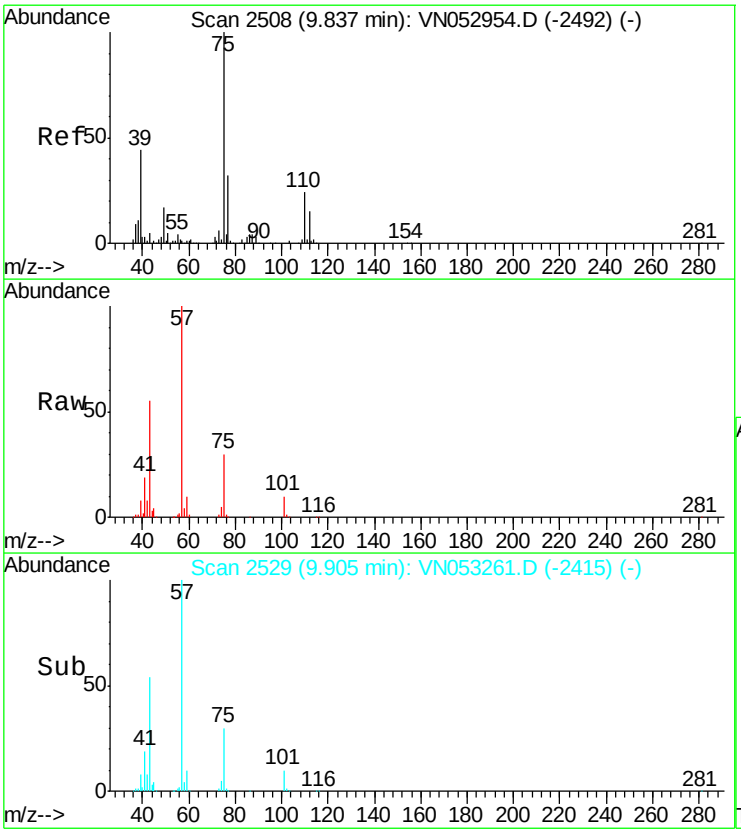

#51
4-Methyl-2-Pentanone
Concen: 1.973 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 43 Resp: 19480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 0.0 | 32.2 | 48.4# |

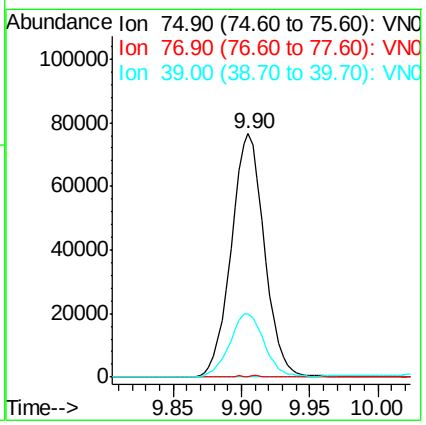


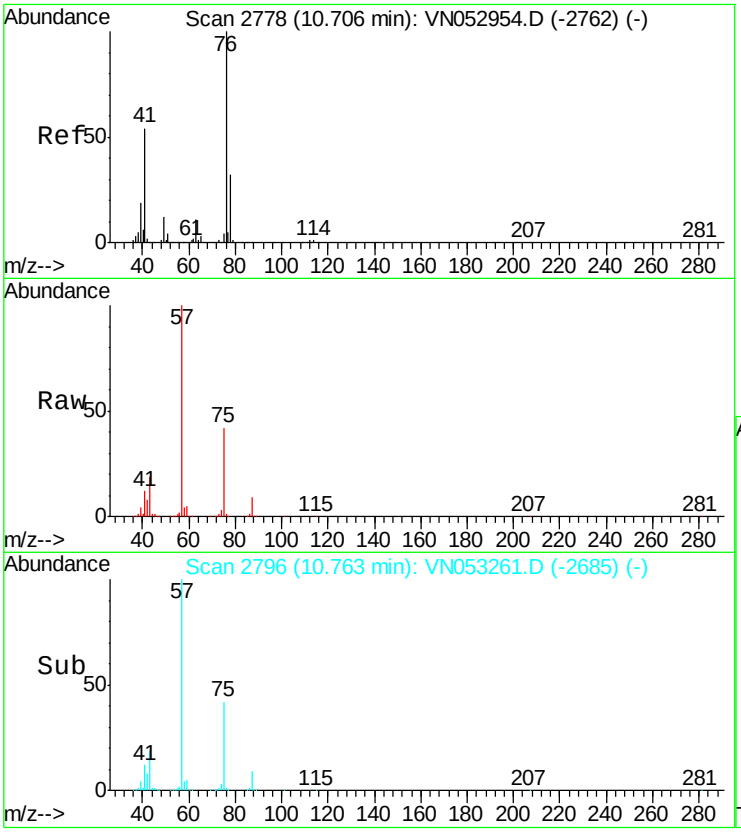




#54
cis-1,3-Dichloropropene
Concen: 6.100 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 75 Resp: 128997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 0.4 | 25.8 | 38.8# |
| 39 | 26.1 | 34.8 | 52.2# |



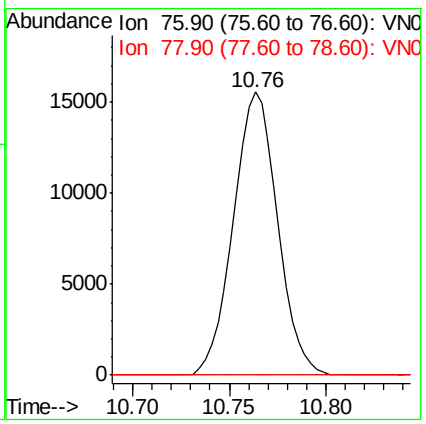


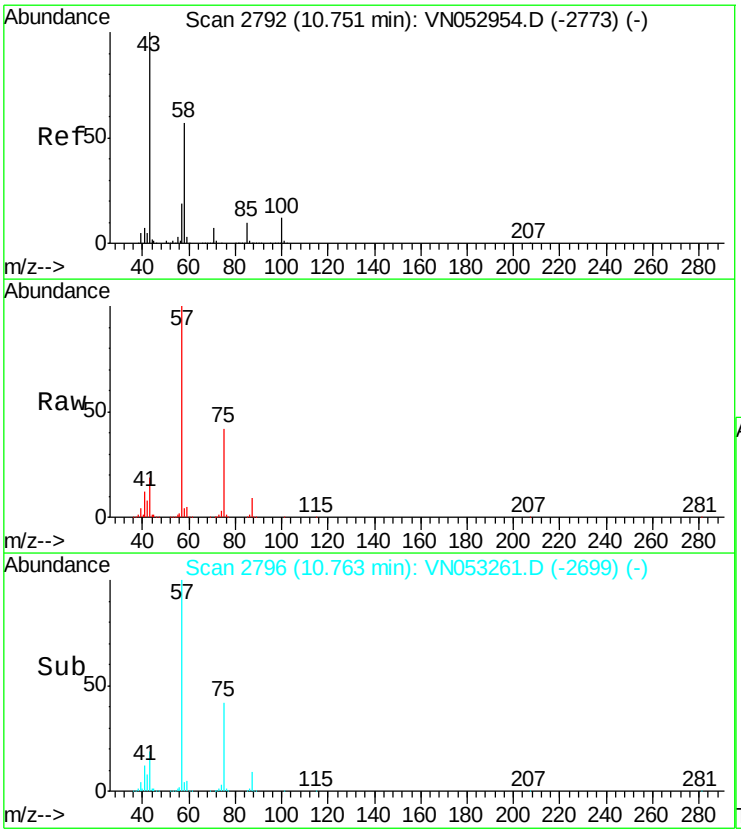

#57
1,3-Dichloropropane
Concen: 1.226 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 76 Resp: 24698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 76 | 100 | | |
| 78 | 0.0 | 25.8 | 38.8# |

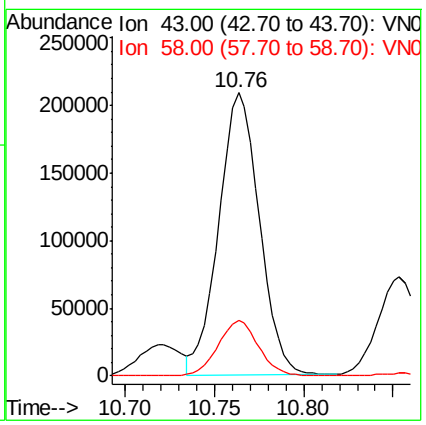


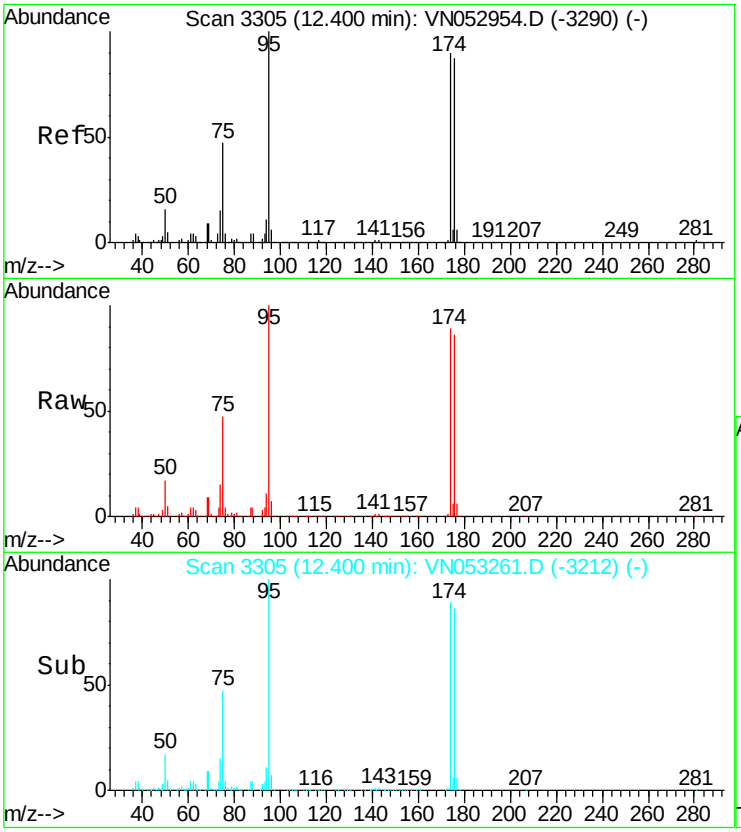




#59
2-Hexanone
Concen: 49.408 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 43 Resp: 330008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 19.8 | 28.1 | 84.3# |



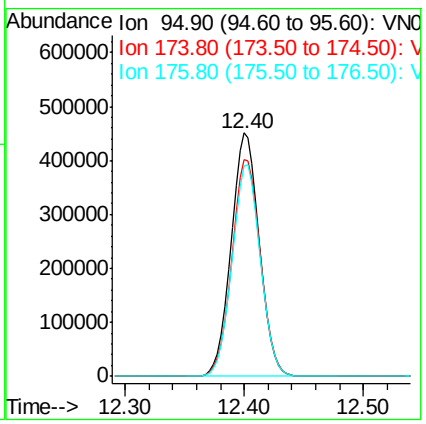


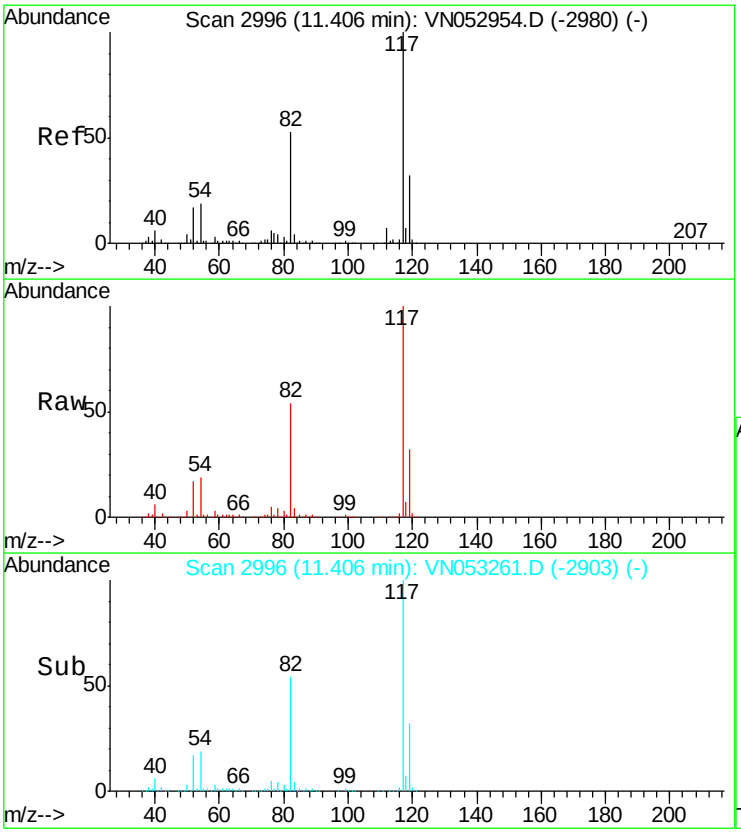

#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 95 Resp: 738066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 90.1 | 0.0 | 178.8 |
| 176 | 87.5 | 0.0 | 173.8 |

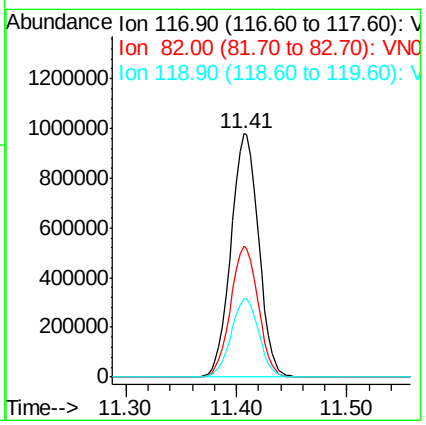


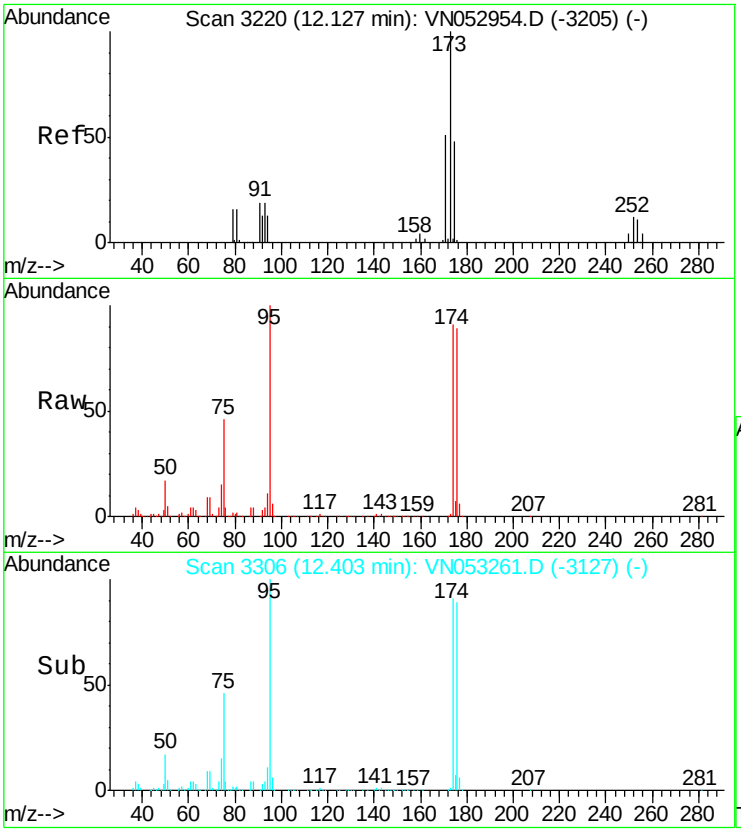




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion:117 Resp: 1698117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 53.8 | 42.8 | 64.2 |
| 119 | 32.0 | 25.5 | 38.3 |



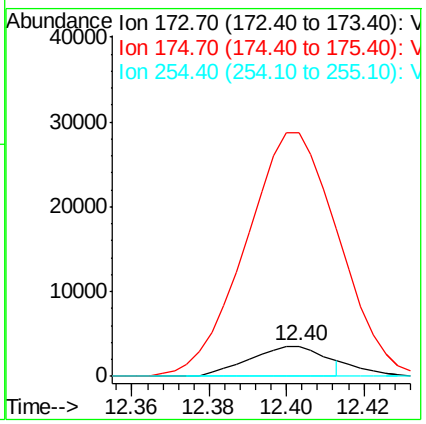


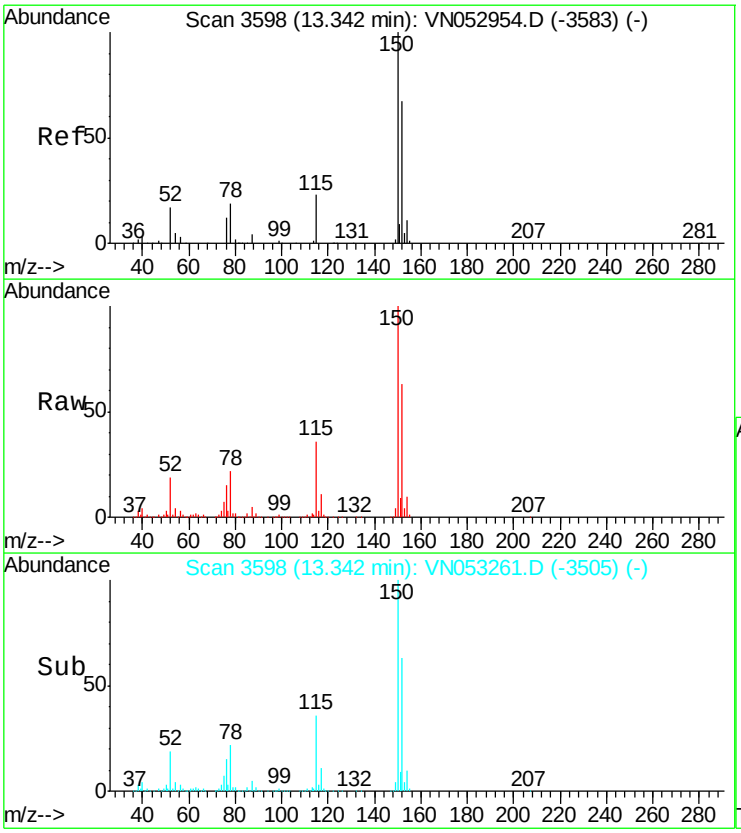

#71
Bromoform
Concen: 0.510 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion:173 Resp: 4823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 173 | 100 | | |
| 175 | 875.6 | 24.3 | 72.9# |
| 254 | 0.0 | 0.1 | 0.1# |

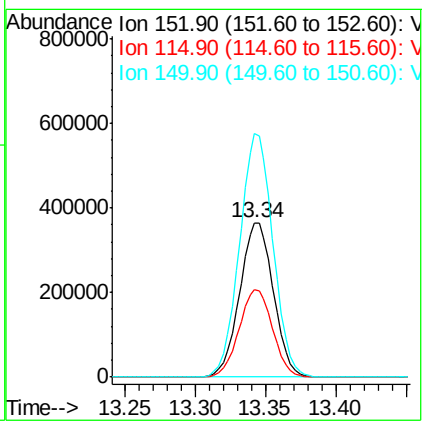


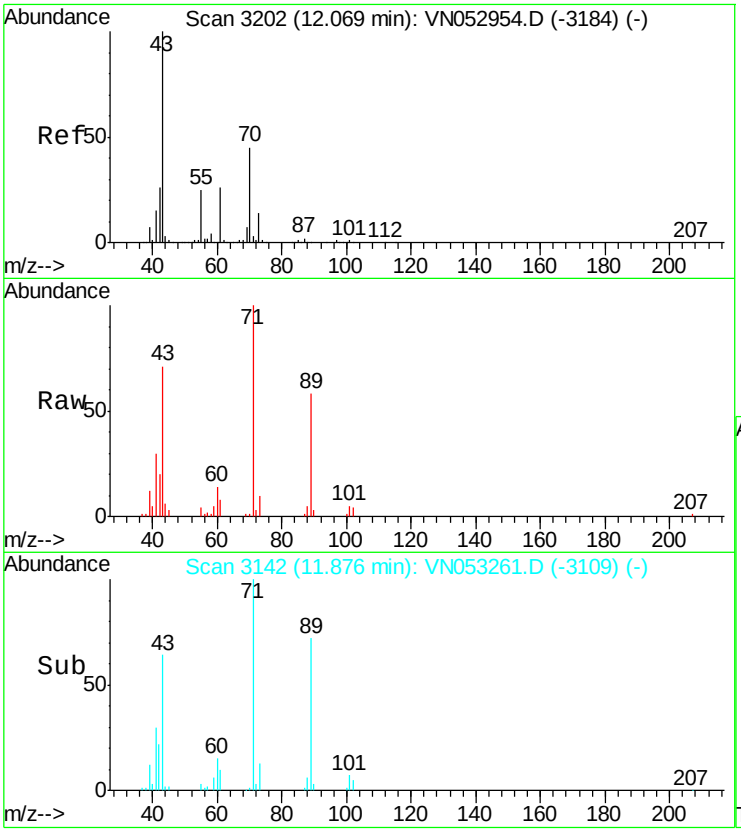




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion:152 Resp: 610679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 56.2 | 28.3 | 85.0 |
| 150 | 156.4 | 0.0 | 347.8 |



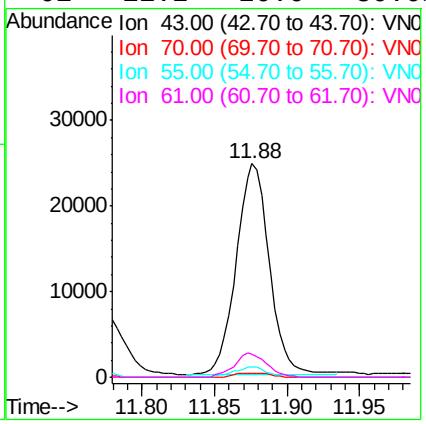


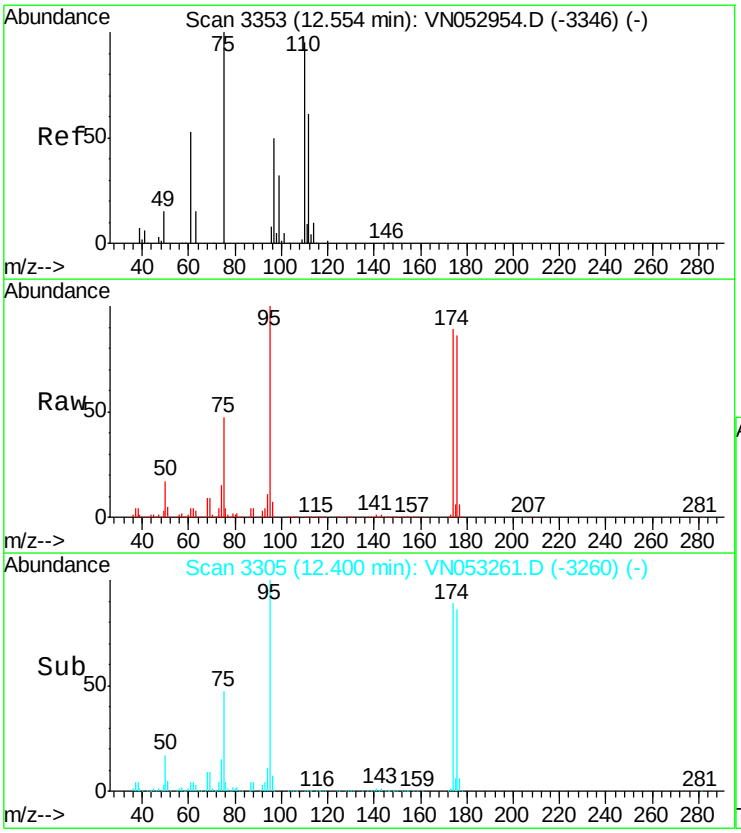

#74
N-amyl acetate
Concen: 2.952 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :** MSVOA_N
**ClientSampleId :** PB116111ZHE#06

Tgt Ion: 43 Resp: 39154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 70 | 2.1 | 34.2 | 51.4# |
| 55 | 5.3 | 20.3 | 30.5# |
| 61 | 11.2 | 20.0 | 30.0# |

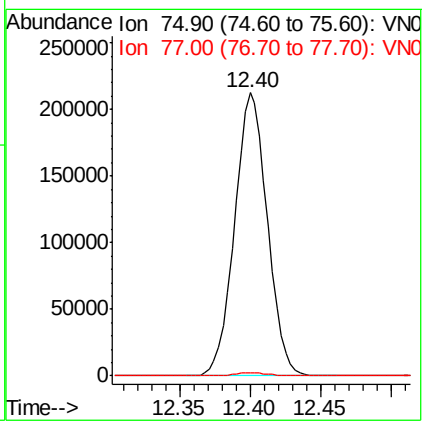


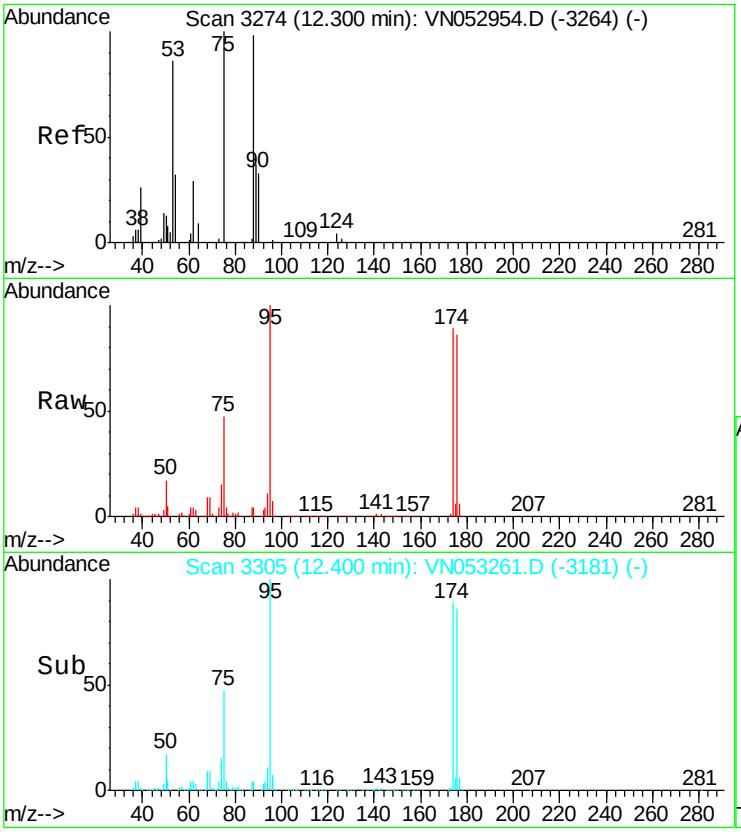




#76
1,2,3-Trichloropropane
Concen: 33.515 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion: 75 Resp: 344538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 77 | 1.1 | 0.0 | 0.0# |



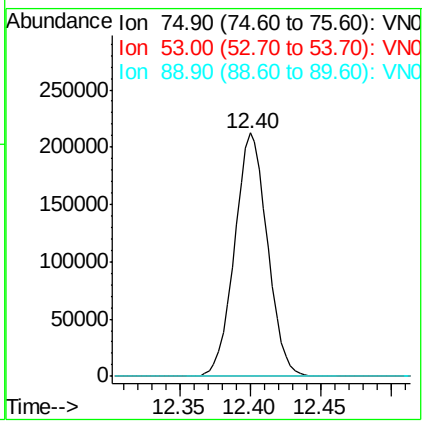


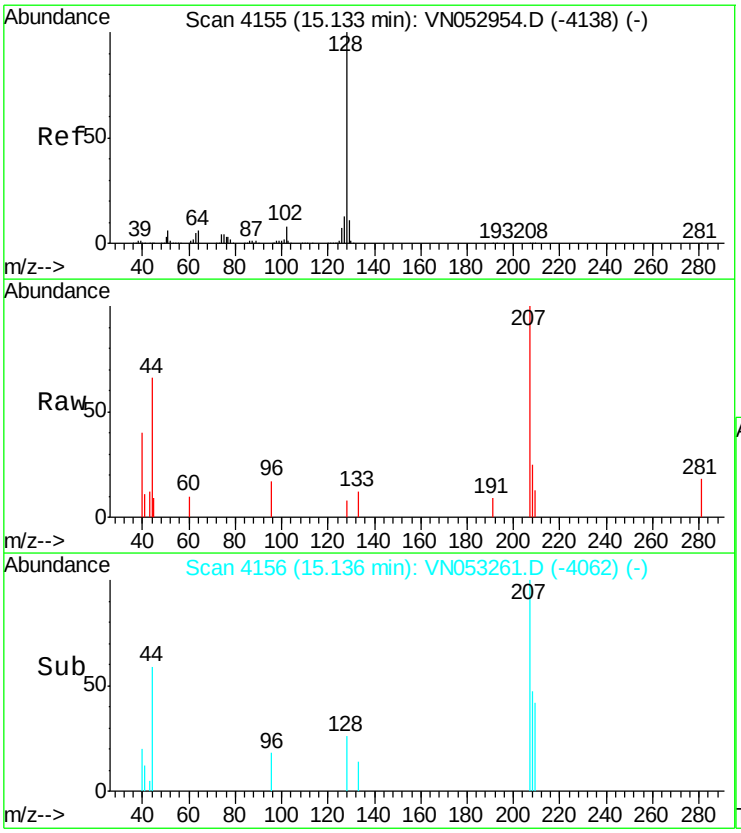

#81
trans-1,4-Dichloro-2-butene
Concen: 108.022 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

**Instrument :**
MSVOA_N
**ClientSampleId :**
PB116111ZHE#06

Tgt Ion: 75 Resp: 344538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 75 | 100 | | |
| 53 | 0.0 | 74.7 | 112.1# |
| 89 | 0.0 | 36.1 | 54.1# |




#95
Naphthalene
Concen: 1.154 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053261.D
Acq: 3 Jan 2019 14:43

Tgt Ion:128 Resp: 171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 0.0 | 10.2 | 15.4# |
| 129 | 0.0 | 8.6 | 13.0# |